



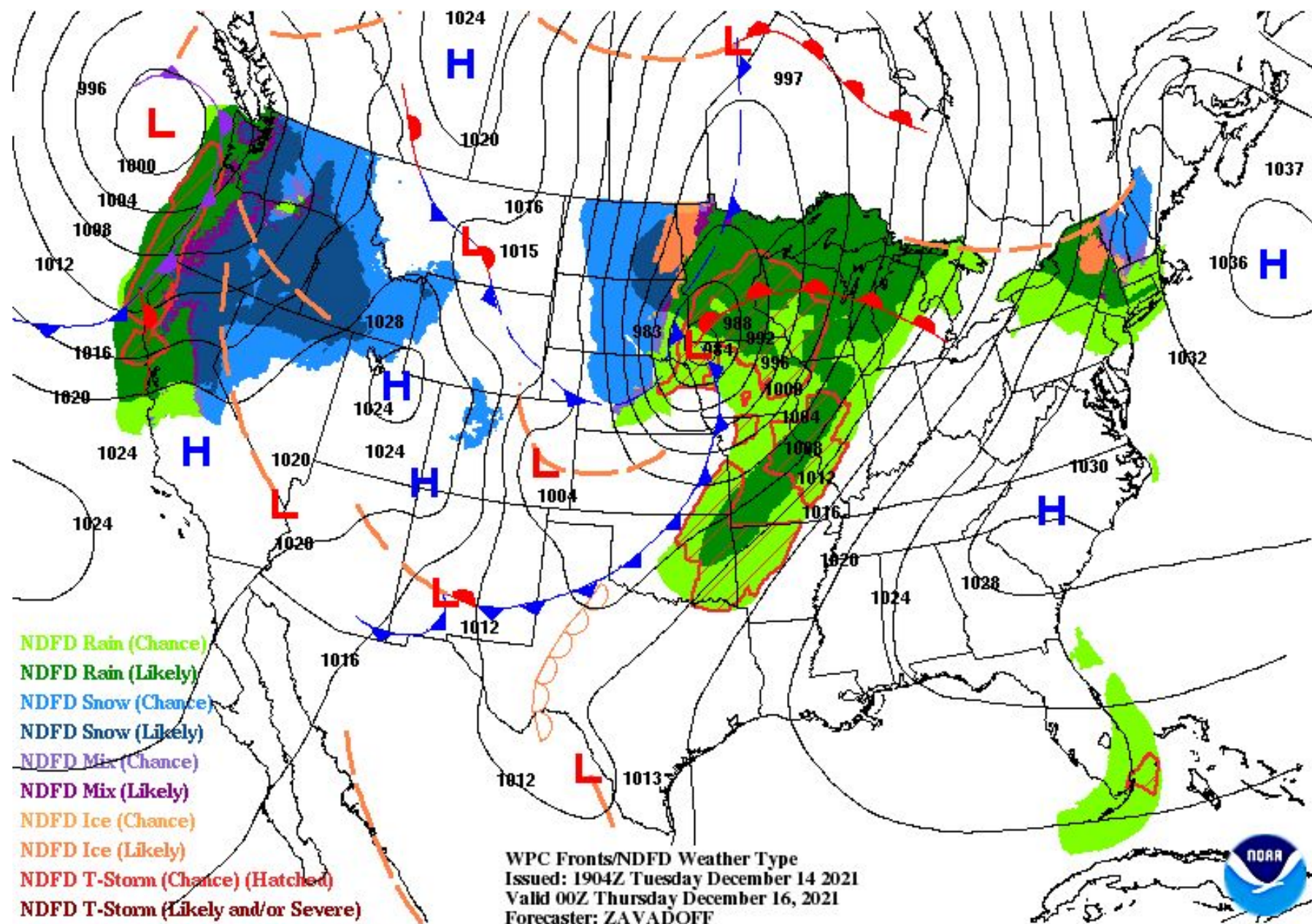
Strong storm system

December 14, 2021
4:43 PM

Wednesday through Thursday

Key Messages

- A powerful low pressure system will move across the Midwest and Upper Great Lakes, bringing near record warmth, rain, snow, and very strong winds
- Be prepared for:
 - ◆ Strong winds, starting out of the southwest, switching to the northwest
 - ◆ Rainfall amounts of between 0.3 inches to 1 inch.
 - ◆ Rain changing to snow, with light accumulations mainly along and north of Highway 2 in Minnesota





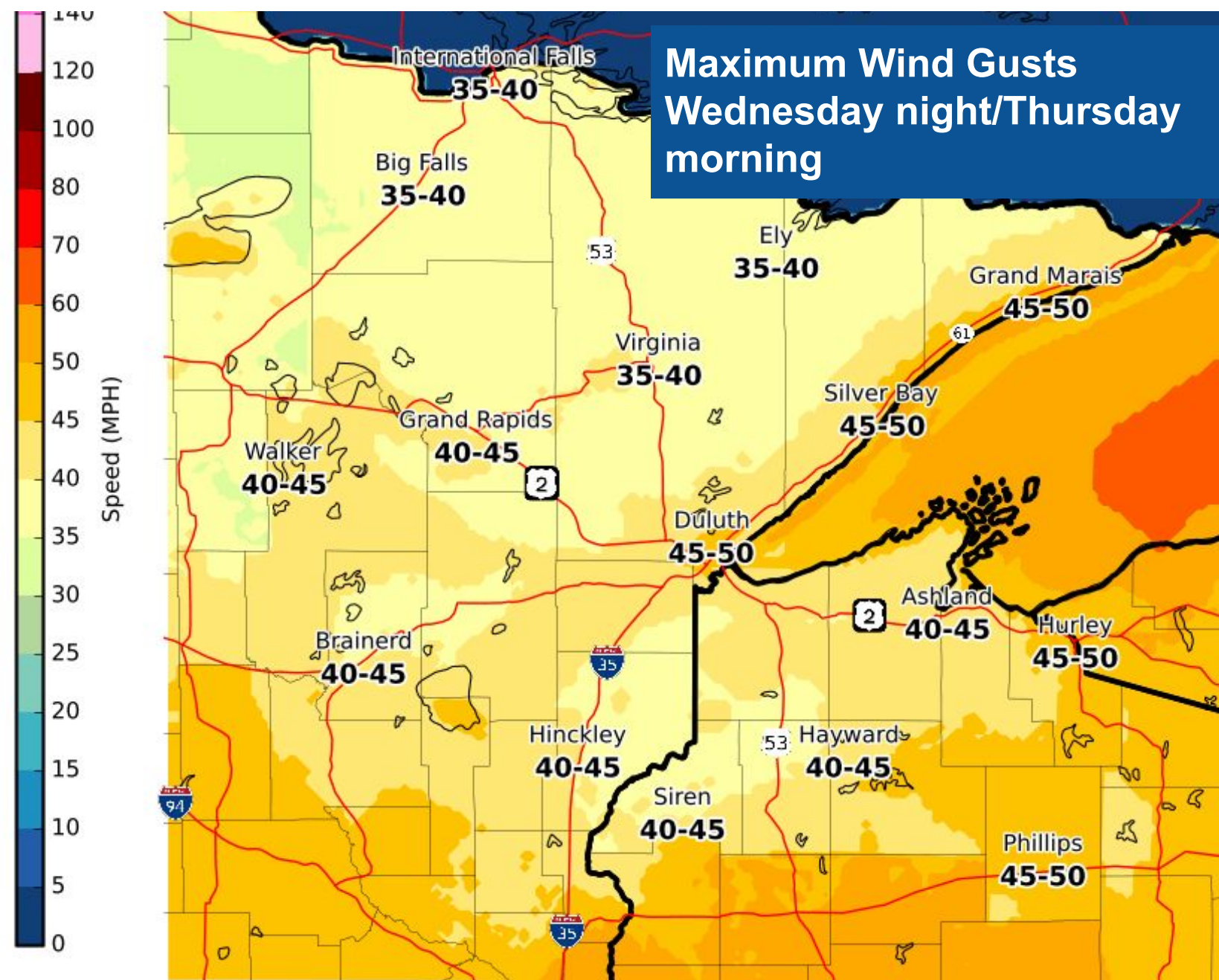
Strong Winds

December 14, 2021
4:43 PM

Expected Wednesday night and Thursday morning

Wind Details

- Strong winds are expected to develop Wednesday night and Thursday morning
 - ◆ Southwest winds will gradually turn to the northwest
- Winds of **20 to 30 mph** with gusts of up to **50 mph** are possible.
- A **High Wind Watch** has been issued for all of northwest Wisconsin and Pine county Minnesota
- Storm and Gale watches have been issued on Lake Superior
- **Tie down or bring in loose objects, and be prepared for power outages.**



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National Weather Service
Duluth, Minnesota



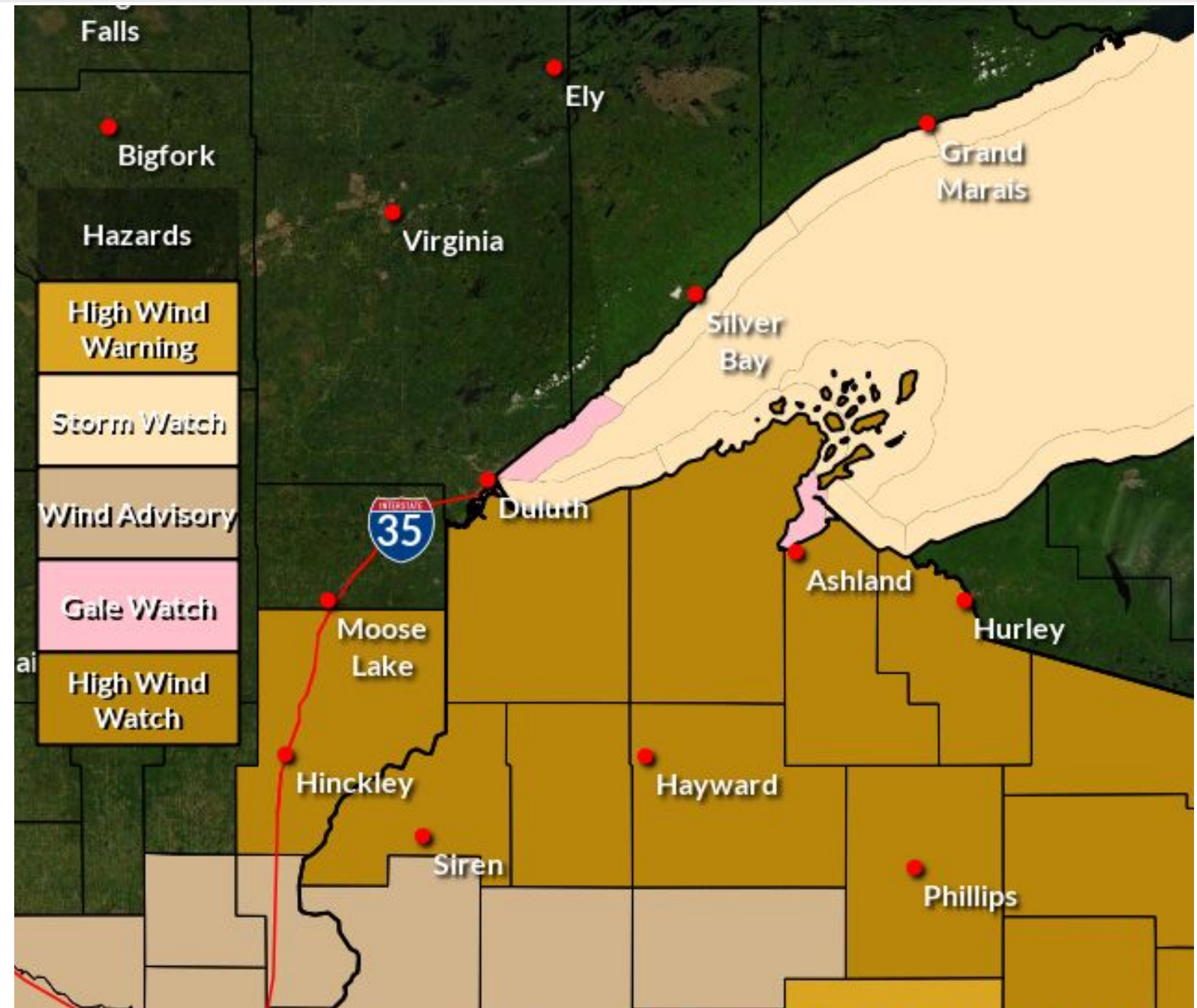
Strong Winds on Lake Superior

December 14, 2021
4:43 PM

Storm and High Wind Watches have been issued

Wind Hazards

- Wind gusts on Lake Superior could be as strong as **50 to 60 mph**
- Wind gusts over land up to **50 mph**
- A **Storm Watch** has been issued for much of western Lake Superior
 - ◆ **Waves in excess of 10 feet** are expected north of Grand Marais early Thursday morning
- A **High Wind Watch** has been issued for much of northwest Wisconsin and Pine County in Minnesota.





Thunder threat Wednesday evening

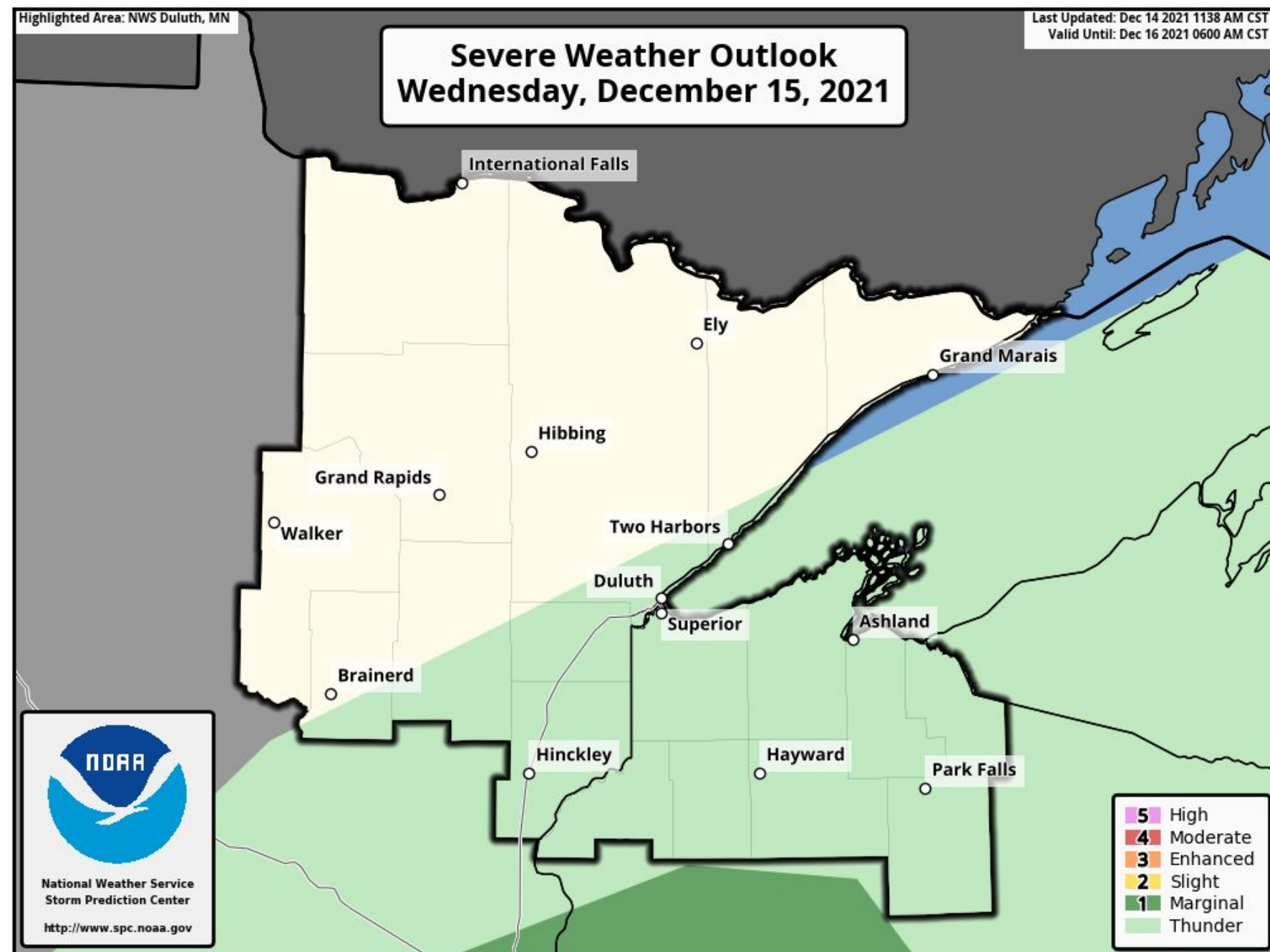
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Fast moving storms with a threat of severe weather

Severe Weather/Thunderstorms

- A line of thunderstorms is expected to move through parts of the area Wednesday evening
- Fast moving storms may bring strong gusty winds
- **Severe weather risk is currently low.** However, trends have been increasing for the possibility of severe weather late Wednesday afternoon and evening - stay tuned!

Please check www.weather.gov/dlh for the latest forecasts and updates



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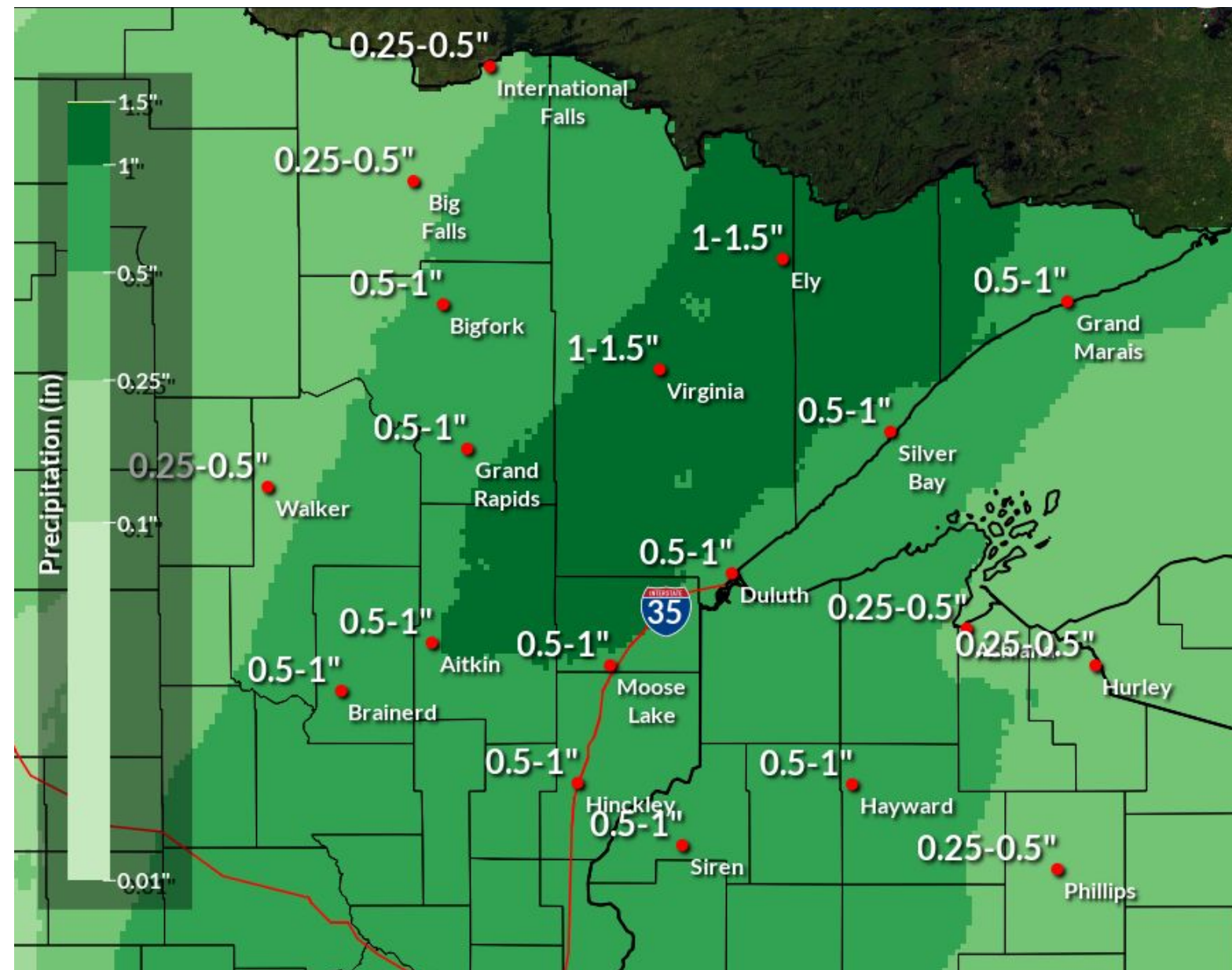


Rain Expected Wednesday

December 14, 2021
4:43 PM

Rain Details

- Precipitation is expected to begin as **drizzle or light rain Wednesday morning**, with chances increasing through the afternoon.
- The **heaviest rainfall is expected Wednesday evening**
 - ◆ Temperatures will be in the 40s to mid 50s
 - ◆ Little/no freezing rain is expected, but wet pavement may become slick and hazardous as temperatures fall overnight
- Most of the rain falling on our snowpack is expected to be absorbed by the snow, but we may see some minor rises on area rivers and streams.
- **Localized minor flooding may occur** if storm drains have become blocked by debris and/or ice



Total Rainfall Expected





Snow Wednesday night - Thursday

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4:43 PM

Snow Details

- Rain is expected to change over to snow late Wednesday evening and overnight
- Due to the rapid change over from rain to snow, little or no freezing rain is expected.
- Wet pavement may become slick and hazardous as temperatures fall overnight and snow begins to accumulate.



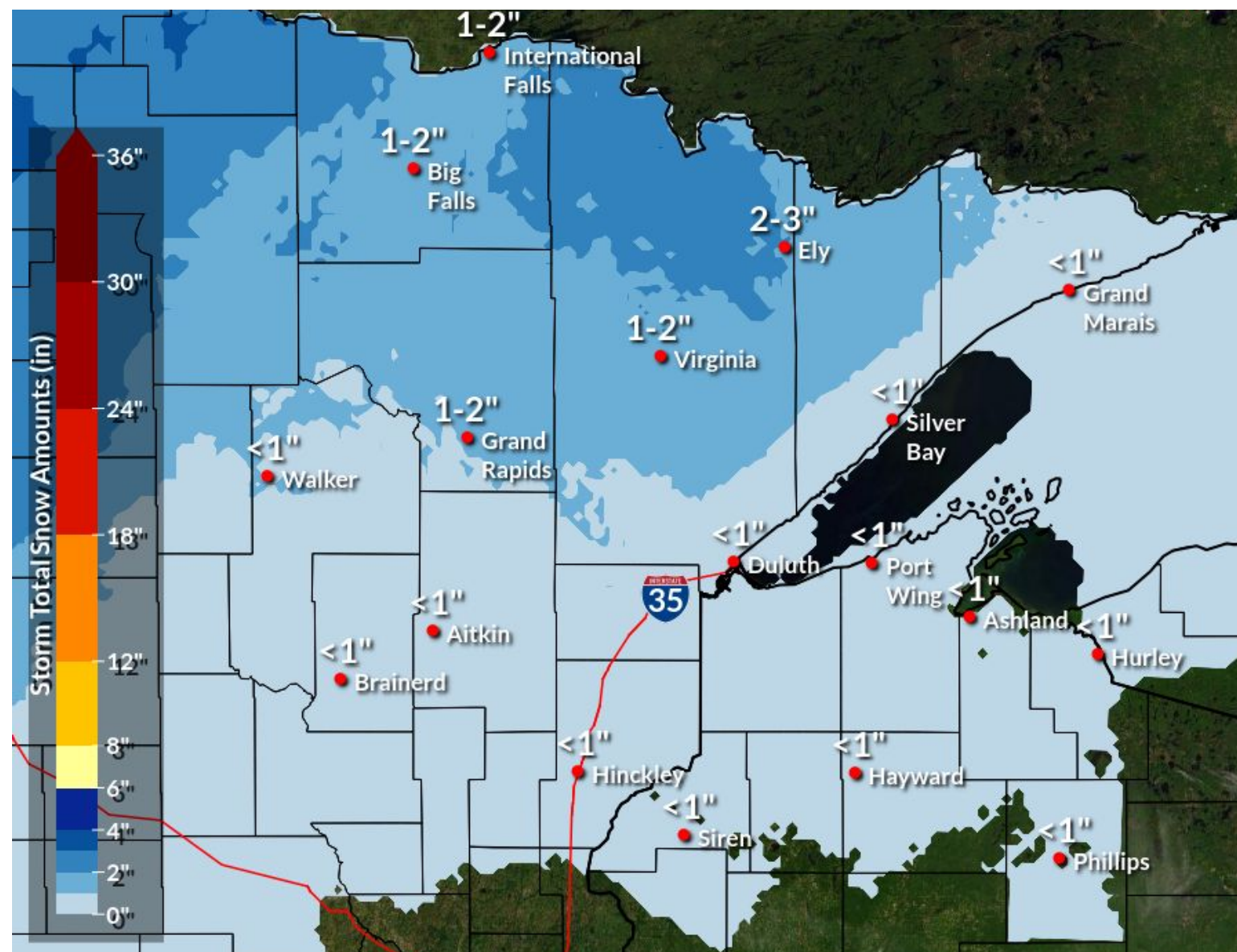
RAIN TO
SNOW



HAZARDOUS
TRAVEL



SLOW
THURSDAY AM
COMMUTE



Snowfall Wednesday night through Thursday



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